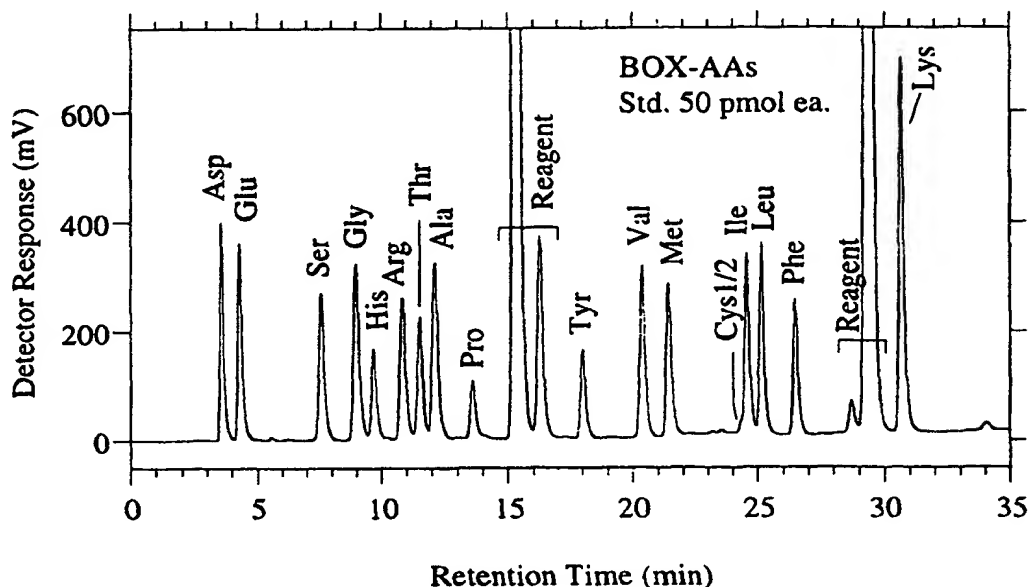




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| (71) Applicant (for all designated States except US): SMITHKLINE BEECHAM CORPORATION [GB/GB]; One Franklin Plaza, Philadelphia, PA 19103 (GB). | | | |
| (72) Inventor; and (75) Inventor/Applicant (for US only): ANUMULA, Kaylan, R. [US/US]; 624 Jamie Circle, King of Prussia, PA 19406 (US). | | | |
| (74) Agents: SIMON, Soma, G. et al.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US). | | | |

(54) Title: A METHOD FOR QUANTITATIVE DETERMINATION OF AMINO ACIDS



(57) Abstract

A novel method for the determination of amino acids by HPLC using pre-column derivatization is described. In this procedure, the amino acids are derivatized with 2-chlorobenzoxazole to yield highly fluorescent N-(2-benzoxazolyl)-amino acids (BOX-AAs) for detection at very high sensitivity. The BOX-AAs can be separated on a C18 reversed phase column for quantitative estimation. This method can be used for the preparation of N-(2-benzoxazolyl)-amino acids in large amounts.